



HIV IN THE EASTERN REGION: AN EPIDEMIOLOGICAL PROFILE

EASTERN RAC MEETING APRIL 8, 2014

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MISSION AND VISION



MISSION

• The mission of the Prevention and Health Promotion Administration is to protect, promote and improve the health and well-being of all Marylanders and their families through provision of public health leadership and through community-based public health efforts in partnership with local health departments, providers, community based organizations, and public and private sector agencies, giving special attention to at-risk and vulnerable populations.

VISION

 The Prevention and Health Promotion Administration envisions a future in which all Marylanders and their families enjoy optimal health and well-being.





National Data



U.S. Prevalence





Volume 18. Number 5 =

Monitoring Selected National
HIV Prevention and Care Objectives
by Using HIV Surveillance Data—
United States and
6 Dependent Areas—2011

CDC estimated
 1,144,500 adults/
 adolescents were
 living with HIV at
 the end of 2010

 15.8% were undiagnosed

National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention

Division of HIV/AIDS Prevention

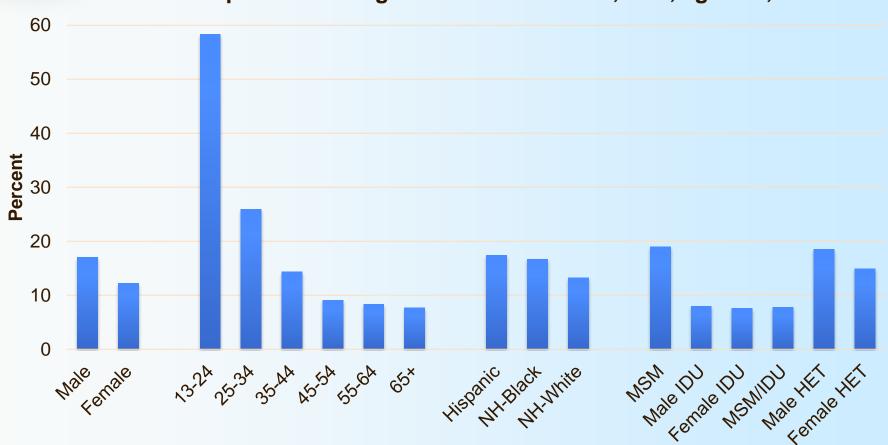




Undiagnosed Infections









Estimated HIV Diagnoses during 2011, Ranked by Rates



STATE/TERRITORY	<u>Cases</u>	Rate per 100,000
 District of Columbia 	962	155.6
2. Virgin Islands	35	33.0
3. Maryland	1,783	30.6
4. Louisiana	1,381	30.2
5. Florida	5,408	28.4
6. Georgia	2,522	25.7
7. New York	4,960	25.5
8. Puerto Rico	888	24.0
9. Mississippi	617	20.7
10. Texas	5,065	19.7
United States	50,199	15.9



Estimated HIV Diagnoses during 2011, Ranked by Rates



METROPOLITAN AREA	<u>Cases</u>	Rate per 100,000
1. Miami, FL	2,606	46.0
2. New Orleans-Metairie-Kenner, LA	513	43.0
3. Baton Rouge, LA	336	41.6
4. Jackson, MS	200	36.7
5. Washington, DC-VA-MD-WV	1,969	34.5
6. Baltimore-Towson, MD	922	33.8
7. Memphis, TN-MS-AR	433	32.6
8. Atlanta-Sandy Springs-Marietta, GA	1,626	30.3
9. New York, NY-NJ-PA	5,344	28.1
10. Jacksonville, FL	382	28.1
United States	50,161	15.9



MD STI Ranking



	2011			2012			
	MD Ranking	MD Rate	U.S. Rate	MD Ranking	MD Rate	U.S. Rate	
Syphilis (primary & secondary)	2 nd	7.8 (452 cases)	4.5	4 th	7.4 (431 cases)	5.0	
Congenital Syphilis	2 nd	31.1 (24 cases)	8.5	5 th	16.0 (12 cases)	7.8	
Gonorrhea	16 th	111.9 (6,458 cases)	104.2	22 nd	97.6 (5,686 cases)	107.5	
Chlamydia	16 th	471.3 (27,212 cases)	457.6	21 st	455.3 (26,534 cases)	456.7	

Syphilis, gonorrhea, and chlamydia rates are cases per 100,000

Congenital syphilis rate is cases per 100,000 live births

Source: Centers for Disease Control and Prevention





State Data



Maryland Adult/Adolescent HIV Statistics



2012) No.	per 100,000	
1,415	28.7	
829	16.8	
NIa		
NO.		
362		
No.	per 100,000	1 in X
12,928	262.6	
16,050	326.0	
28,978	588.5	170
	1,415 829 No. 362 No. 12,928 16,050	1,415 28.7 829 16.8 No. 362 No. per 100,000 12,928 262.6 16,050 326.0

Departed Diagrapase (during 2012)



Maryland Regional Advisory Committee Regions

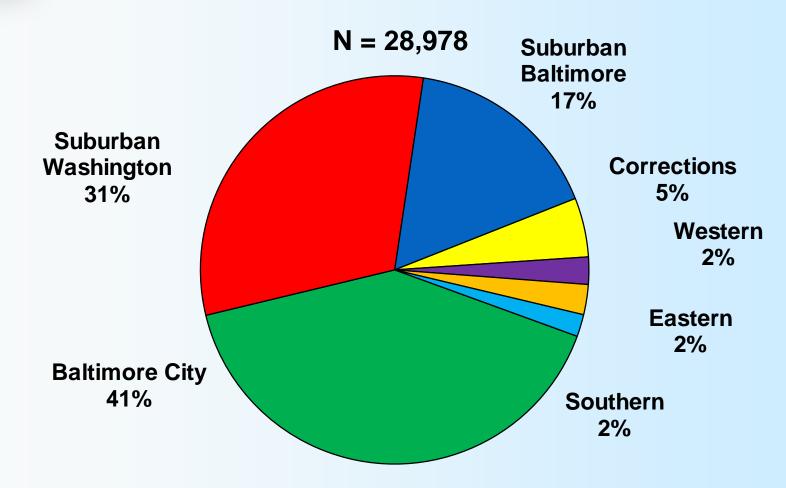






MARYLAND Maryland Adult/Adolescent Living Department of Health HIV Cases by Region, 12/31/12







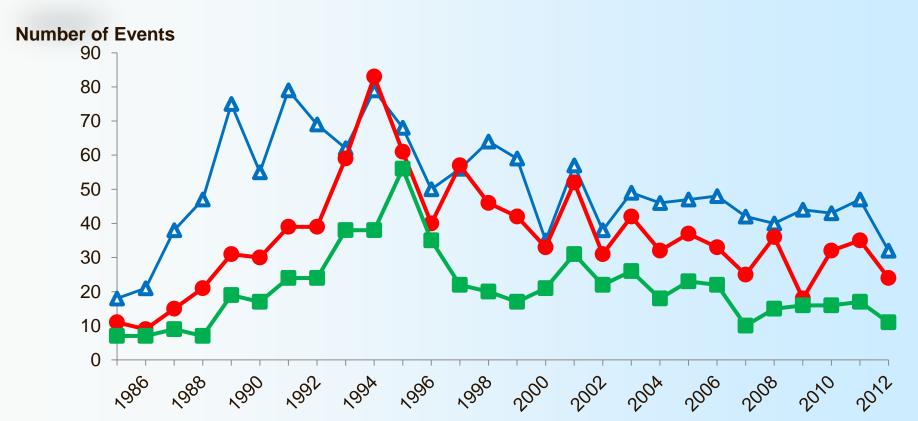


Regional Data



HIV/AIDS Trends Eastern Region





Year of Diagnosis or Death

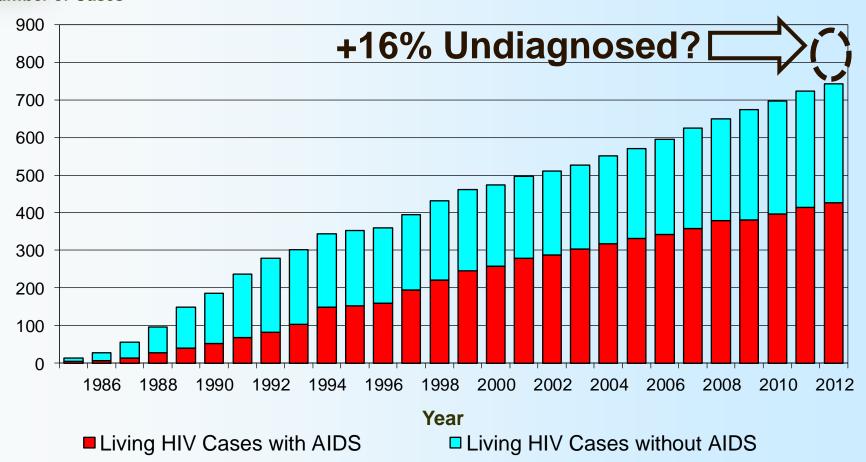
▲ Reported HIV Diagnoses **→** Reported AIDS Diagnoses **→** Reported AIDS Deaths



Living HIV Cases Eastern Region



Number of Cases





HIV Statistics Adult/Adolescent Cases, Eastern Region



	HIV Diagnoses during 2012	Living HIV Cases on 12/31/2012
Eastern Region	32	727
Caroline	4	59
Cecil	5	105
Dorchester	5	110
Kent	3	36
Queen Anne's	2	46
Somerset	1	47
Talbot	0	52
Wicomico	8	195
Worcester	4	77



Living Adult/Adolescent HIV Case Rates per 100,000 Population by County, Eastern Region, 12/31/12







2012 STI Cases, Eastern Region



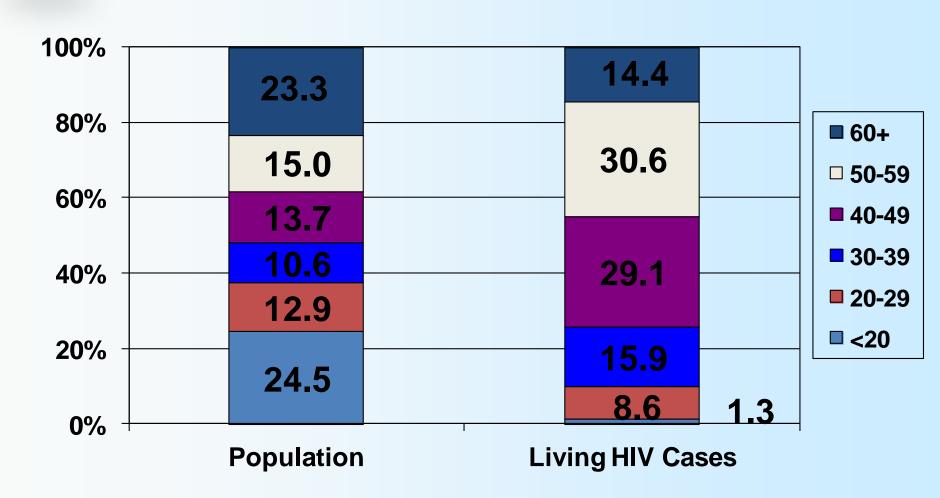
	Chlamydia	Gonorrhea	P&S Syphilis
Eastern Region	1,861	463	8
Caroline	122	21	0
Cecil	213	34	1
Dorchester	167	52	0
Kent	55	6	0
Queen Anne's	96	6	0
Somerset	146	38	0
Talbot	135	21	0
Wicomico	709	216	6
Worcester	218	69	1

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Population and Living HIV Cases by Age, Eastern Region





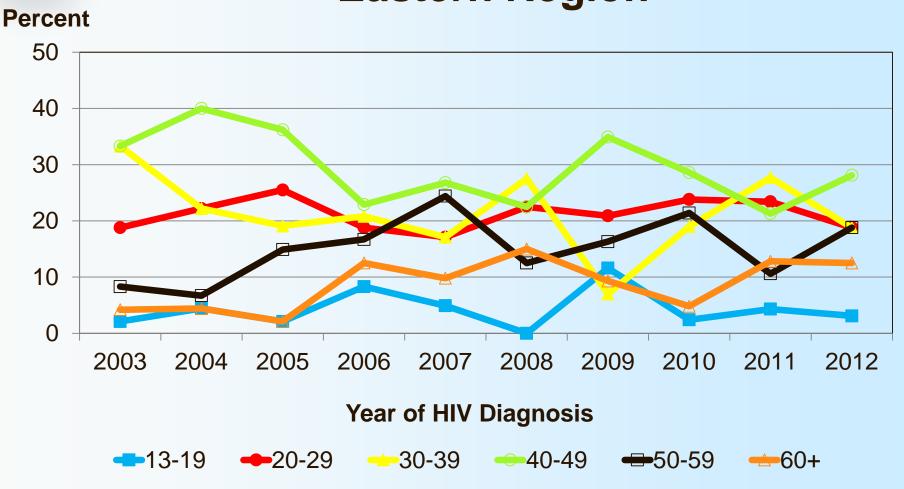
Population on 7/1/12, Cases on 12/31/12 as reported through 12/31/13

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Adult/Adolescent HIV Diagnosis Trends by Age at Diagnosis, Eastern Region

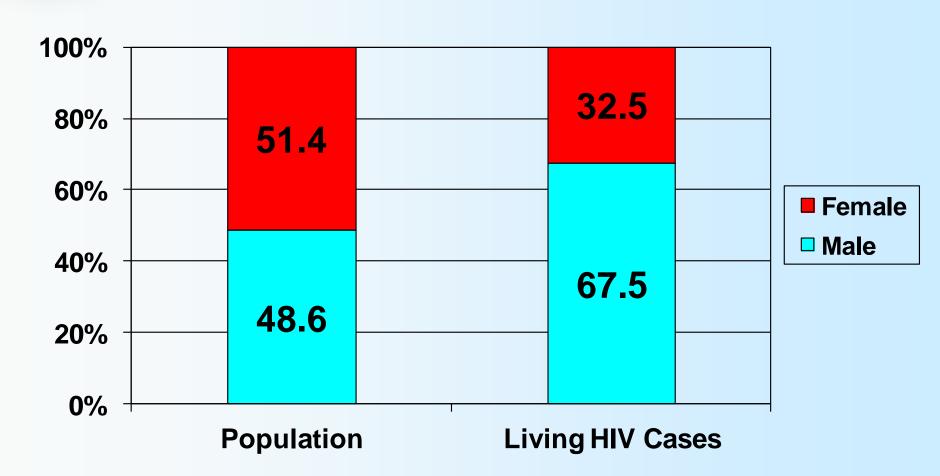






Adult/Adolescent Population and Living HIV Cases by Sex at Birth Eastern Region



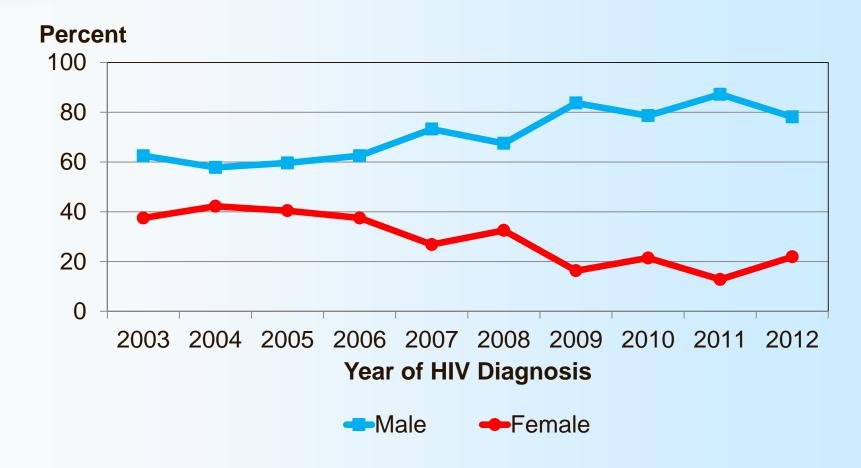


Population on 7/1/12, Cases on 12/31/12 as reported through 12/31/13



Adult/Adolescent HIV Diagnosis Trends by Sex at Birth, Eastern Region

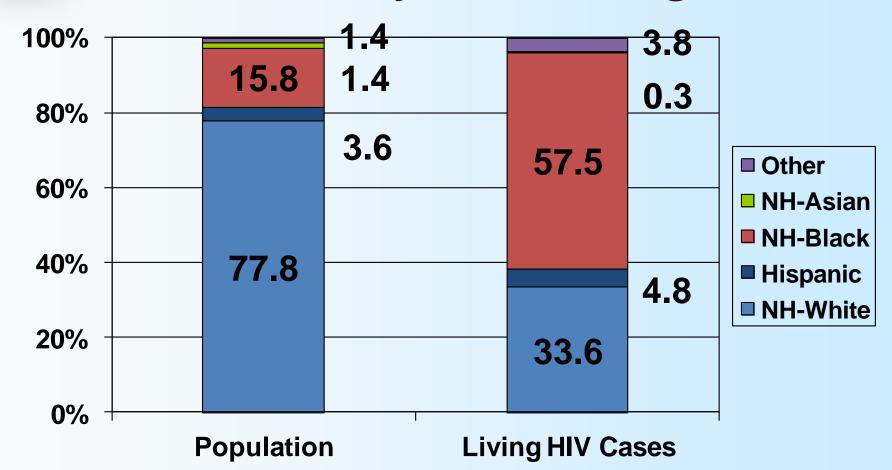






Adult/Adolescent Population and Living HIV Cases by Race/ Ethnicity, Eastern Region

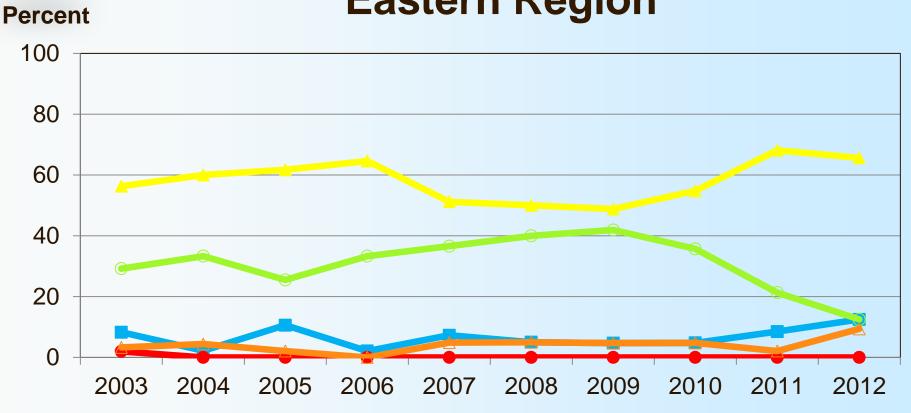






Adult/Adolescent HIV Diagnosis Trends by Race/ Ethnicity, Eastern Region

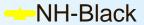


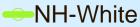


Year of HIV Diagnosis



→NH-Asian





→NH-Other

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Exposure Categories



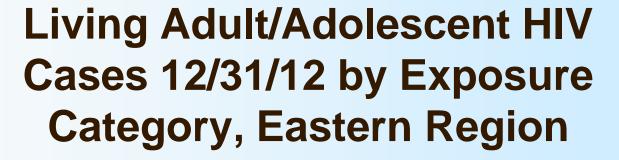
MSM: Men who have Sex with Men

IDU: Injection Drug Use

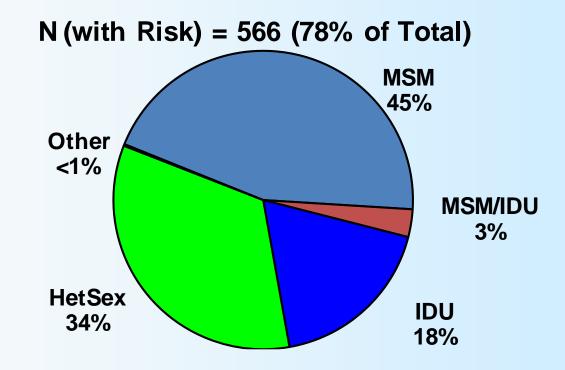
MSM/IDU: Men who have Sex with Men AND Inject Drugs

HetSex: Heterosexual Contact with a Person that has or is at Risk for HIV Infection





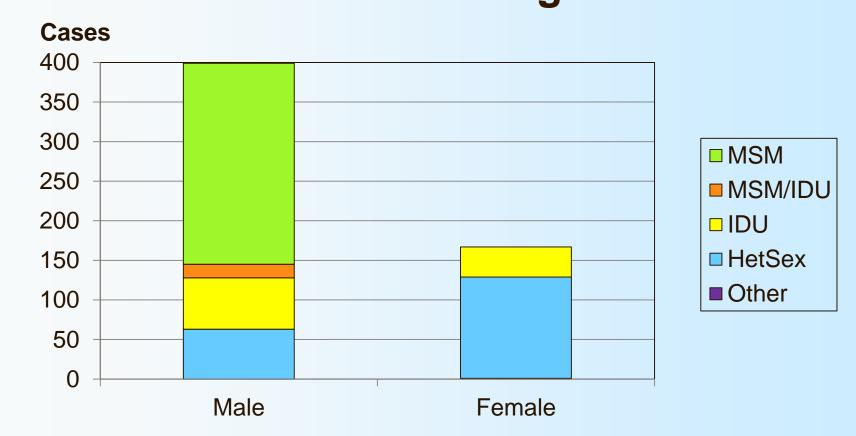






Living Adult/Adolescent HIV Cases 12/31/12 by Exposure Category and Sex at Birth Eastern Region

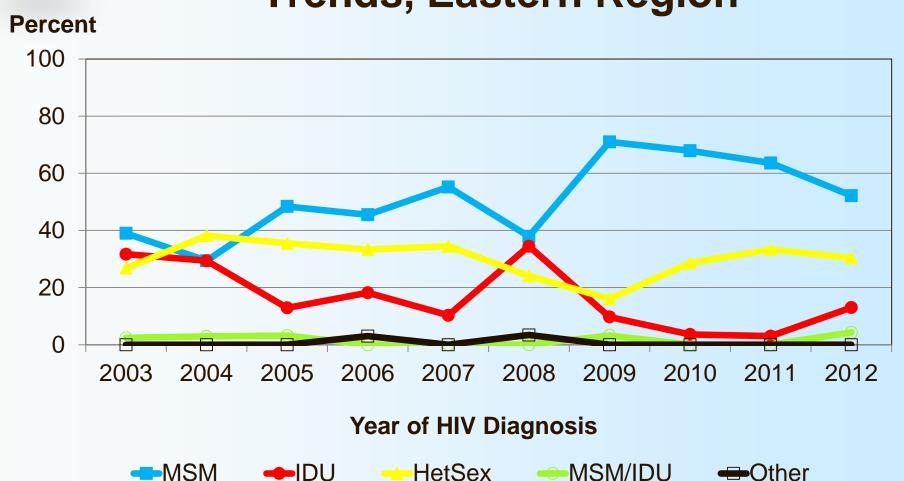






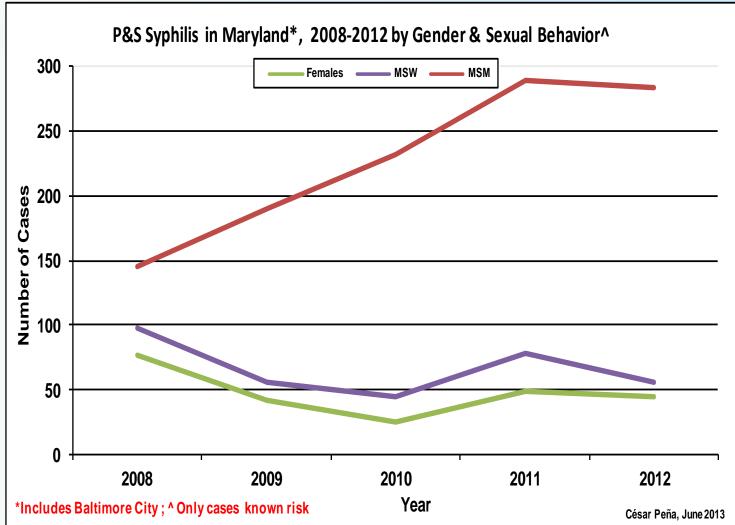
Reported Adult/Adolescent HIV Diagnoses, Exposure Category Trends, Eastern Region







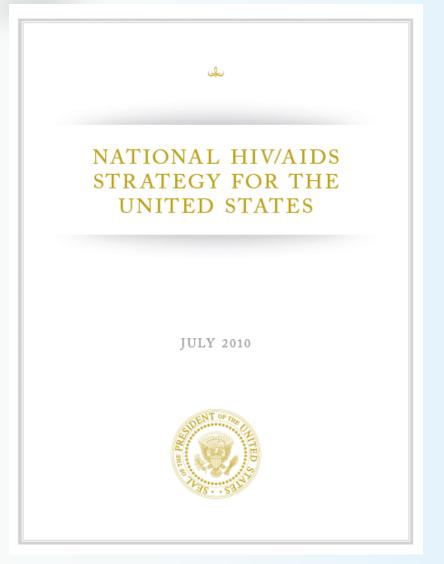






NHAS 2010





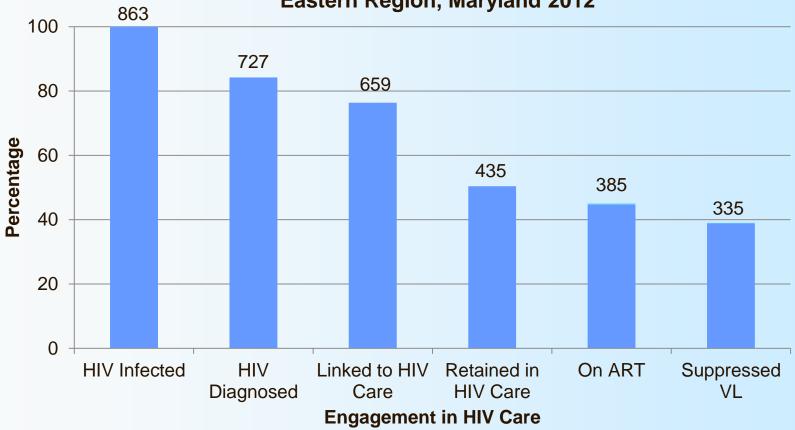
- Reducing new HIV infections
- Increasing access to care and improving health outcomes for people living with HIV
- Reducing HIV-related disparities and health inequities



Continuum of Care



Estimated number and percentage of HIV infected adults/ adolescents engaged in selected stages of the continuum of care, Eastern Region, Maryland 2012





HIV Statistics Adult/Adolescent Cases Eastern Region



	HIV Diagnoses during 2012	Linked to Care within 3 months of Diagnosis	Living HIV Cases on 12/31/2012	Retained in Care	Viral Suppression
Eastern	32	90.6%	727	59.8%	46.1%
Caroline	4	100.0%	59	62.7%	52.6%
Cecil	5	100.0%	105	48.6%	35.2%
Dorchester	5	80.0%	110	69.1%	50.9%
Kent	3	100.0%	36	55.6%	55.6%
Queen Anne's	2	100.0%	46	63.0%	50.0%
Somerset	1	0.0%	47	61.7%	48.9%
Talbot	0		52	76.9%	57.7%
Wicomico	8	87.5%	195	52.8%	37.9%
Worcester	4	100.0%	77	64.9%	53.2% Maryland Prevel

Health Promotion Administration





Regional Summary



HIV/AIDS in the Eastern Region



- There were 727 living adult/adolescent HIV cases at the end of 2012
- There were 32 reported adult/adolescent HIV diagnoses during 2012
- Wicomico, Dorchester, and Cecil counties had the greatest share of living cases (27%, 15%, and 14%)
- Rates of living cases were higher than the Eastern Region average in Dorchester and lower in Cecil and Queen Anne's



HIV/AIDS in the Eastern Region: Demographics



- Persons 30-59 years old were disproportionately affected (76% vs. 39%), but the proportions were increasing among 50+ year olds
- Males were disproportionately affected (68% of cases vs. 49% of population), and the proportion male was increasing
- Non-Hispanic blacks were disproportionately affected (58% vs. 16%), and the proportion non-Hispanic black was increasing while the proportion non-Hispanic white was decreasing



HIV/AIDS in the Eastern Region: Exposure Category



- Sexual transmission predominates (>79%)
 - Homosexual and heterosexual transmission among men
 - Heterosexual transmission among women
 - Male homosexual transmission proportion was increasing
- Injection drug use is an important route of transmission (>18%), and the proportion IDU was declining





Prevention and Health Promotion Administration

http://phpa.dhmh.maryland.gov/oideor/chse